

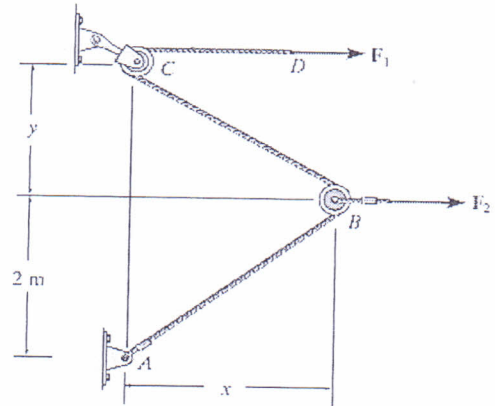


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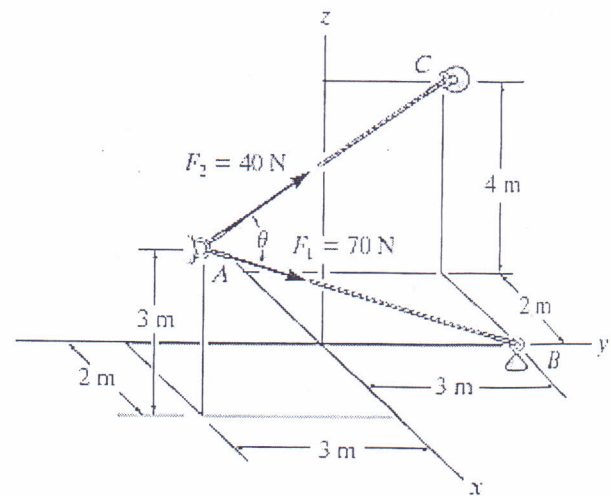
Group : _____

Answer the following question:

- (1) Determine the magnitude of F_1 and the distance y for equilibrium if $x = 1.5$ m and $F_2 = 1000$ N.



(2) Determine the magnitude and coordinate direction angles of the resultant of two forces F_1 and F_2 , Determine the angle θ between the two cables. Determine the magnitude of the projection of the force F_1 along cable AC .



With my best wishes

Dr. Mona Sameeh